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	Application No.	Applicant(s)	<i>P</i>
Notice of Allowability	10/786,878	RAYNOR, JEFFREY	
	Examiner	Art Unit	
	Wai-Sing Louie	2814	
The MAILING DATE of this communication a All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL- NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR 1.	IS (OR REMAINS) CLOSED i 85) or other appropriate comm FRIGHTS. This application is	n this application. If not include unication will be mailed in due	ed course. THIS
1. \boxtimes This communication is responsive to <u>4/23/2007</u> .			
2. X The allowed claim(s) is/are 11,12,14,15,17,19-21,24-26	5 and 36-42.		
 3.		or (f).	
1. Certified copies of the priority documents h			
2. Certified copies of the priority documents h			tion from the
 Copies of the certified copies of the priority International Bureau (PCT Rule 17.2(a)). 	documents have been receive	ed in this hational stage applica	don nom die
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DA' noted below. Failure to timely comply will result in ABANDO THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	TE" of this communication to fil DNMENT of this application.	e a reply complying with the re	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be su INFORMAL PATENT APPLICATION (PTO-152) which	ubmitted. Note the attached EX gives reason(s) why the oath o	AMINER'S AMENDMENT or Nor declaration is deficient.	IOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets")	must be submitted.		
(a) including changes required by the Notice of Drafts	person's Patent Drawing Revie	w (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) including changes required by the attached ExamiPaper No./Mail Date	ner's Amendment / Comment o	or in the Office action of	
Identifying indicia such as the application number (see 37 Cleach sheet. Replacement sheet(s) should be labeled as such	FR 1.84(c)) should be written on in the header according to 37 C	the drawings in the front (not the FR 1.121(d).	e back) of
6. DEPOSIT OF and/or INFORMATION about the deattached Examiner's comment regarding REQUIREME	eposit of BIOLOGICAL MAT	ERIAL must be submitted. OLOGICAL MATERIAL.	Note the
Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of I	nformal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-9-		Summary (PTO-413), ./Mail Date	
3. Information Disclosure Statements (PTO/SB/08),		s Amendment/Comment	

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

of Biological Material

3. Information Disclosure Statements (PTO/SB/08),

Paper No./Mail Date ______

4. Examiner's Comment Regarding Requirement for Deposit

8. 🛛 Examiner's Statement of Reasons for Allowance

9. Other ____.

Allowable Subject Matter

The argument in the response to the non-final rejection is persuasive and the non-final rejection of previous office action is withdrawn. Claims 11,12,14,15,17,19-21 24-26 and 36-42

are allowed. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose or suggest either in singularly or in combination

the following limitations and other elements in the claims:

Reference Yang (US 6,569,700) do not disclose:

• An epitaxial layer of a first conductive type having an upper surface.

• An isolation trench at least partially bounding an upper portion of the well at the

opposing sides having a depth from the upper surface of the layer comprising the

first conductive type epitaxial layer less than the depth of the well.

Reference Rhodes (US 6,723,594) and Rhodes (US 6,661,047) do not disclose:

• An isolation trench at least partially bounding an upper portion of the well at the

opposing sides having a depth from the upper surface of the layer comprising the

first conductive type epitaxial layer less than the depth of the well.

Therefore, the above references do not disclose the claimed invention of present

application and claims 11,12,14,15,17,19-21 24-26 and 36-42 are allowed.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Wai-Sing Louie whose telephone number is (571) 272-1709. The

examiner can normally be reached on 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

WAI-SING LOUIE

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PRIMARY PATENT EXAMINER

Wsl July 5, 2007.